



Appl. No. 10/687,060
Preliminary Amendment
Date February 7, 2005
Replacement Sheet

Figure 2:

The DNA and amino acid sequences of Nef-His; Tat-His; Nef-Tat-His fusion and mutated Tat is illustrated.

Pichia-expressed constructs (plain constructs)

⇒ Nef - HIS

DNA sequence (Seq. ID. No. 8)

```
ATGGGTGGCAAGTGGTCAAAAGTAGTAGTGTGGTTGGATGGCCTACTGTAAGGGAAAGA
ATGAGACGAGCTGAGCCAGCAGCAGATGGGGTGGGAGCAGCATTCTGAGACCTGGAA
AAACATGGAGCAATCACAAAGTAGCAATAACAGCAGCTACCAATGCTGCTGTGCCTGG
CTAGAAGCACAAGAGGAGGAGGAGGTGGGTTTCCAGTCACACCTCAGGTACCTTTA
AGACCAATGACTTACAAGGCAGCTGTAGATCTTAGCCACTTTTAAAAGAAAAGGGG
GGACTGGAAGGGCTAATTCACTCCAAACGAAGACAAGATATCCTGATCTGTGGATC
TACCACACACAAGGCTACTCCCTGATTGGCAGAACTACACACCAGGGCCAGGGGTC
AGATATCCACTGACCTTGGATGGTGCTACAAGCTAGTACCAAGTTGAGCCAGATAAG
GTAGAAGAGGCCAATAAAGGAGAGAACACCAGCTTGTACACCTGTGAGCCTGCAT
GGAATGGATGACCCCTGAGAGAGAACACCAGCTTGTACACCTGTGAGCCTGCAT
TTTCATCACGTGGCCCGAGAGCTGCATCCGGAGTACTTCAAGAACTGCACTAGTGGC
CACCACCATCACCATTTAA
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Protein sequence (Seq. ID. No. 9)

```
MGGKWSKSSVVGWPTVRERMRAEPAADGVGAASRDLEKHGAITSSNTAATNAACAW
LEAQEEEVGFPTVPQVPLRPMTYKAADVLSHFLKEKGGLEGLIHSQRQDILDLWI
YHTQGYFPDWQNYTPGPGVRYPLTFGWCYKLVPVEPDKVEEANKGENTSLHPVSLH
GMDDPEREVLEWRFDSRLAFHHVARELHPEYFKNCTSGHHHHHH.
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⇒ Tat - HIS

DNA sequence (Seq. ID. No. 10)

```
ATGGAGCCAGTAGATCCTAGACTAGAGCCCTGGAAGCATCCAGGAAGTCAGCCTAAA
ACTGCTTGTACCAATTGCTATTGTAAGTGTGCTTCAATTGCCAAGTTTGTGTTTC
ATAACAAAAGCCTTAGGCATCTCCTATGGCAGGAAGAAGCGGAGACAGCAGAAGA
CCTCCTCAAGGCAGTCAGACTCATCAAGTTCTATCAAAGCAACCCACCTCCCAA
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